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Marocco

[11] **Patent Number:** **5,131,660**[45] **Date of Patent:** **Jul. 21, 1992**[54] **PUTTER**[76] **Inventor:** Joseph Marocco, 12 Winding Branch, Hawthorne Woods, Ill. 60047[21] **Appl. No.:** 627,594[22] **Filed:** Dec. 14, 1990[51] **Int. Cl.⁵** A63B 53/00; A63B 69/36[52] **U.S. Cl.** 273/186 A; 273/162 R; 273/163 R[58] **Field of Search** 273/186 R, 186 A, 186 C, 273/162 R, 163 R[56] **References Cited****U.S. PATENT DOCUMENTS**

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Primary Examiner—William H. Grieb*Attorney, Agent, or Firm*—Michael, Best & Friedrich[57] **ABSTRACT**

An improved putting device is disclosed having a mechanism for measuring the backstroke distance of the putters club head during use, means for converting the measurement into an electronic signal, a microprocessor for calculating the distance a golf ball will travel when struck with the backstroke indicated by the electronic signal, a liquid crystal display electronically connected to the microprocessor for displaying to the user in alpha-numeric form the distance the ball will travel and a battery for providing electrical current to the device. Programing may be also provided for measuring club head speed and force if required.

20 Claims, 2 Drawing Sheets